



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of
Inventor(s): Mills

Group Art Unit: 1754

App'n Ser. No.: 09/501,621

Examiner(s): Langel for the
Secret Committee

Filing Date: 02/09/2000

Title: DOPED THERMIONIC CATHODE AND METHOD OF MAKING THE DOPED
THERMIONIC CATHODE

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September 6, 2002

**REQUEST FOR CONTINUING EXAMINATION PURSUANT TO
37 C.F.R. § 1.114, INCLUDING SUBMISSION OF: (1) AMENDMENT;
(2) RULE 132 DECLARATION AND NEW EXPERIMENTAL EVIDENCE;
(3) INFORMATION DISCLOSURE STATEMENT; AND (4) REQUEST FOR
FULL CONSIDERATION OF RESPONSE FILED FEBRUARY 6, 2002**

Hon. Asst. Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Applicant files this Request for Continued Examination (RCE) in this case
pursuant to 37 C.F.R. § 1.114.

Please amend the subject application as follows:

IN THE CLAIMS:

Please add new claim 272 as follows:

- 272. A thermionic cathode doped with a compound comprising at least one
increased binding energy hydride ion having a binding energy greater than 0.8
eV and at least one other element, wherein the compound is selected from the
group consisting of KHF, KHC1, KHB1, KHI, RbHF, RbHCL, RbHB1, RbHI, CsHF,
CsHCL, CsHB1, CsHI, CaHCL, CaHB1, CaHI, SrHF, SrHCL, SrHB1, and SiH.

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